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IAC-D-117
1 April 1958

I N T E L L I G E N C E A D V I S O R Y C O M M I T T E E

Proposed Subject for Critical Collection

Problems Committee Consideration

The proposal outlined in the attached memorandum will be placed on the agenda of an early IAC meeting (probably 8 April), for review and action with respect to the specific recommendations of General Schow (para. 4).

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Secretary

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IAC-D-117
1 April 1958

DEPARTMENT OF THE ARMY
Office of the Assistant Chief of Staff, Intelligence
Washington 25, D. C.

Mar 27 1958

MEMORANDUM FOR : Chairman, Intelligence Advisory Committee
SUBJECT : Proposed Subject for Critical Collection
Problems Committee Consideration (U)

1. An Earth Satellite Reconnaissance System appears to offer an excellent potential for collection of high priority intelligence information. To make this potential most responsive to national intelligence requirements, two actions on the part of Intelligence Advisory Committee collection agencies appear to be necessary.

a. To develop national intelligence collection requirements, in order of priority, which may be satisfied by a Satellite system in consonance with its technological growth.

b. To guide the agency charged with development of the system by suggesting the types of instrumentation and data processing systems required to accomplish the collection mission and by suggesting the phasing of their development.

2. The payloads which should be considered include but need not be limited to:

a. Instrumentation capable of determining precise geodetic data as required to assist all of the Services in the performance of their respective operational missions.

b. High-resolution photography, and a means of transmitting such photography to ground stations with acceptable degradation.

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- d. ELINT
 - e. Infrared
 - f. Instrumentation capable of providing information required to enable accurate long range weather predictions.
 - g. Instrumentation capable of providing a fast and reliable means of transmitting critical intelligence information.
3. Equal in importance to the instrumentation of the satellite itself is the development of a photographic processing system which will enable rapid and accurate evaluation of the mass of photography of which a well-instrumented satellite may be capable. Development of such a system concurrent with the development of photographic capabilities appears to be mandatory.
4. It is recommended that the Intelligence Advisory Committee charge the Critical Collection Problems Committee with the mission of:
- a. Determining the intelligence collection requirements which the Earth Satellite Reconnaissance System should be used to satisfy.
 - b. Suggesting the types of instrumentation which should be developed and the scheduling which will be most responsive to highest priority intelligence needs.
 - c. Determining the requirements which a photographic processing system must be designed to meet.
 - d. Recommending to the Intelligence Advisory Committee appropriate courses of action for solution of the above problems.

/s/
ROBERT A. SCHOW
Major General, GS
ACofS, Intelligence

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